

## REMARKS

In the Office Action, the Examiner rejected claims 1-22 under § 112, paragraph 1, for failing to comply with the enablement requirement. The Examiner further rejected claims 4, 5, 10, 14, and 16-18 under § 112, paragraph 2, for indefiniteness. The Examiner also rejected claim 5 for containing a grammatical informality. In addition, the Examiner rejected claims 10-13 under § 102 as being anticipated by USP 6,144,967 issued to Nock (Nock). The Examiner rejected claims 1, 19, and 21 under § 103 as being unpatentable over Nock. The Examiner rejected claims 2, 3, and 14-16 under § 103 as being unpatentable over Nock in view of USP 6,470,388 issued to Niemi et al. (Niemi). The Examiner rejected claim 4 under § 103 as being unpatentable over Nock in view of USP 5,819,094 issued to Sato et al. (Sato). The Examiner rejected claims 17 and 18 under § 103 as being unpatentable over Nock in view of Niemi, and further in view of USP 5,740,354 issued to Ben-Natan et al. (Ben-Natan). The Examiner rejected claims 20 and 22 under § 103 as being unpatentable over Nock in view of Ben-Natan.

Additionally, the Examiner objected to Figures 1-5 under 37 CFR 1.84 for containing unacceptable margins and character height. In this Amendment, Applicants have amended claims 1, 3, 5, 10, 11, 14, 16, 19, 21 and Figures 1-5. Applicants have also added claims 23-27. Accordingly, claims 1-27 will be pending after entry of this Amendment.

### **I. Enablement Rejections per§ 112, Paragraph 1**

The Examiner rejected claims 1-22 under § 112, paragraph 1, for failing to comply with the enablement requirement. The Applicants respectfully traverse this enablement rejection.

In the Office Action, the Examiner stated that while claims 1, 10, 19, and 21 recite an event object/logging mechanism executing/operating “independently of said applications”, there

was no detailed description of such “independence” in the instant application. Specifically, the Examiner pointed to language in the specification as disclosing that the event object/mechanism is activated/turned-on by the application (p.13: 16-17), that the event data such as application’s start time is sent by the application to be recorded (p.14: 6-7), and that the application informs the event logging center of the special events to be recorded (p.14: 14-17). Based upon these observations, the Examiner stated that the operation of the event object/mechanism is not independent of the application.

The Applicants respectfully submit that, as used in the claims, the word “independent” means an event object/logging mechanism that is separate from the application whose events are being logged. For instance, claims 1, 19, and 21 recite that the event objects occupy a memory space and execute independently of the application that has the events being logged. Amended claim 10 recites an event logging mechanism that executes independently of the applications that have the events being logged.

This meaning of the term “independent” is fully described in numerous instances in the specification. For instance, the specification on page 6, lines 5-9 states that event logging “need not be present as a feature in the design and compilation of the application whose events are being logged”. Also, the specification on page 8, lines 2-3 states that “the event object subsists in a memory space called an ‘event center’ wholly independent of any other applications, including the application whose operations are being logged”. In addition, the specification on page 13, lines 12-15 states that the event logging center “occupies a space in memory and executes under the operating system/framework 300 but is separate and independent of [the] application”.

The meaning of the term “independent” that is recited in the claims and elaborated in the specification does not prohibit operational interdependency between the applications and the event object/event logging mechanism. Rather, it connotes that the application and the event object/event logging mechanism are separate executable processes.

5           Accordingly, Applicants respectfully submit that independent claims 1, 10, 19, and 21 comply with the enablement requirement of § 112, paragraph 1. In view of the foregoing, Applicants respectfully request reconsideration and withdrawal of the § 112 enablement rejection of claims 1-22.

## **II. Indefiniteness Rejections per § 112, Paragraph 2**

10           The Examiner rejected claims 4, 5, 10, 14, and 16-18 under § 112, paragraph 2, for indefiniteness.

          The Examiner rejected claim 4 because there was insufficient antecedent basis for the limitation “said event objects”. In addition, the Examiner rejected claim 5 because there was insufficient antecedent basis for the limitation “said events”. Claims 4 and 5 are dependent on  
15   claim 3. Applicants have amended claim 3 to recite the creation and logging of several event objects for several events. As such, there is antecedent basis for the limitation “said event objects” in claim 4 and the limitation “said events” in claim 5.

          The Examiner rejected claim 10 because the language, “said mechanism capable of being utilized”, did not clearly specify whether the mechanism is actually utilized. Applicants have  
20   amended the relevant language in claim 10 to recite “said mechanism for generating a plurality of event objects”.

The Examiner rejected claim 14 because there was insufficient antecedent basis for the limitation “said layer”. Claim 14 is dependent indirectly on claim 10, which in part recites a “foundational layer”. Applicants have amended claim 14 to recite “said foundational layer” to eliminate the antecedent basis rejection.

5           The Examiner rejected claims 16-18 because there was insufficient antecedent basis for the limitation “said event objects”. Claims 17-18 are dependent directly on claim 16. Applicants have amended claim 16 to recite “said event logging mechanism generates a plurality of event objects”. As such, there is antecedent basis for the limitation “said event objects” of claims 16-18.

10           In view of the foregoing, Applicants respectfully request reconsideration and withdrawal of the § 112 indefiniteness rejection of claims 4, 5, 10, 14, and 16-18.

### **III. Grammatical Informality**

The Examiner rejected claim 5 for containing a grammatical informality in the phrase “user definition the hierarchical levels”. Applicants have amended claim 5 to recite “user definition of the hierarchical levels” to correct the grammatical informality.

15           In view of the foregoing, Applicants respectfully request reconsideration and withdrawal of the objection to claim 5.

### **IV. Figures**

20           The Examiner objected to Figures 1-5 under 37 CFR 1.84 for containing unacceptable margins and character height. Applicants have amended Figures 1-5 to contain acceptable margins and character height. In view of the foregoing, Applicants respectfully request reconsideration and withdrawal of the objection to Figures 1-5.

**V. Claims 1-9**

The Examiner rejected claims 1-9 under § 103 as being unpatentable over Nock.

Claims 2-9 are dependent directly or indirectly on independent claim 1. Claim 1 recites a method that creates, for every event to be logged that has not yet been logged within an application, an event object. An event object so created, occupies a memory space and executes independently of the application. The method also logs within the event object the start time, end time and information regarding the event.

Applicants respectfully submit that Nock does not disclose, teach, or even suggest such a method. Specifically, Applicants respectfully submit that Nock does not disclose, teach, or even suggest a method that:

- creates, for every event to be logged that has not yet been logged within an application, an event object, said event object occupying a memory space and executing independent of said application; and
- logs within said event object the start time, end time and information regarding the event.

In the Office Action, the Examiner identifies column 13, lines 9-67 of Nock as disclosing the method of claim 1. However, the referenced method in Nock initially receives an “activity log” from an application. As such, Nock does not disclose, teach, or even suggest creating an event object for every event to be logged that has not yet been logged within an application.

Accordingly, Applicants respectfully submit that Nock does not render claim 1 unpatentable. As claims 2-9 are dependent on claim 1, Applicants respectfully submit that claims

2-9 are patentable over Nock for at least the same reasons that were discussed above for claim 1. In view of the foregoing, Applicants respectfully request reconsideration and withdrawal of the § 102 rejection of claims 1-9.

## **VI. Claims 10-18**

5           The Examiner rejected claims 10-13 under § 102 as being anticipated by Nock. The Examiner rejected claims 14-16 under § 103 as being unpatentable over Nock in view of Niemi. The Examiner rejected claims 17-18 under § 103 as being unpatentable over Nock in view of Niemi and Ben-Natan

10           Claims 11-18 are dependent directly on independent claim 10. As amended, claim 10 recites a system that comprises a foundational layer upon which applications are built and executed. The system further comprises an event logging mechanism operating independently of the applications. This event logging mechanism generates an event log for any of the applications. Furthermore, the event logging mechanism operates without referencing any event logs of the applications.

15           Applicants respectfully submit that Nock does not disclose, teach, or even suggest such a system. Specifically, Applicants respectfully submit that Nock does not disclose, teach, or even suggest a system that comprises:

- a foundational layer upon which applications are built and executed; and
  - an event logging mechanism operating independent of the applications, the
- 20           mechanism for generating an event log for any of the applications, without referencing any event logs of the applications.

In the Office Action, the Examiner identifies column 13, lines 9-67 of Nock as disclosing the event logging mechanism of claim 10. However, the referenced mechanism in Nock initially receives an “activity log” from an application. As such, Nock does not disclose, teach, or even suggest an event logging mechanism that generates an event log, without referencing any event logs of the applications.

Accordingly, Applicants respectfully submit that Nock does not render claim 10 unpatentable. As claims 11-13 are dependent on claim 10, Applicants respectfully submit that claims 11-13 are patentable over Nock for at least the same reasons that were discussed above for claim 10. In view of the foregoing, Applicants respectfully request reconsideration and withdrawal of the § 102 rejection of claims 10-13.

## **VII. Claims 19 and 20**

Claims 19 and 20 were rejected under § 103 as being unpatentable over Nock.

Claim 20 is dependent directly on independent claim 19. Claim 19 recites an article comprising a computer readable medium having instructions stored thereon. These instructions create, for every event to be logged that has not yet been logged within an application, an event object. An event object so created occupies a memory space and executes independently of the application. The instructions also log within the event object the start time, end time and information regarding the event.

Applicants respectfully submit that Nock does not disclose, teach, or even suggest such a program. Specifically, Applicants respectfully submit that Nock does not disclose, teach, or even suggest instructions that:

- create, for every event to be logged that has not yet been logged within an application, an event object, the event object occupying a memory space and executing independent of the application; and
- log within the event object the start time, end time and information regarding the event.

In the Office Action, the Examiner identifies column 13, lines 9-67 of Nock as disclosing the article of claim 19. However, the referenced program in Nock initially receives an “activity log” from an application. As such, Nock does not disclose, teach, or even suggest creating an event object for every event to be logged that has not yet been logged within an application.

Accordingly, Applicants respectfully submit that Nock does not render claim 19 unpatentable. As claim 20 is dependent on claim 19, Applicants respectfully submit that claim 20 is patentable over Nock for at least the same reasons that were discussed above for claim 19. In view of the foregoing, Applicants respectfully request reconsideration and withdrawal of the § 103 rejection of claims 19 and 20.

#### **VIII. Claims 21 and 22**

The Examiner rejected claims 21 and 22 under § 103 as being unpatentable over Nock.

Claim 22 is dependent directly on independent claim 21. Claim 21 recites an apparatus that comprises means for creating, for every event object to be logged that has not yet been logged within an application, an event object. An event object so created, occupies a memory space and executes independently of the application. The apparatus further comprises means for logging within the event object the start time, end time and information regarding the event.



Applicants respectfully submit that Nock does not disclose, teach, or even suggest such an apparatus. Specifically, Applicants respectfully submit that Nock does not disclose, teach, or even suggest an apparatus that:

- creates, for every event to be logged that has not yet been logged within an application, an event object, the event object occupying a memory space and executing independent of the application; and
- logs within the event object the start time, end time and information regarding the event.

In the Office Action, the Examiner identifies column 13, lines 9-67 of Nock as disclosing the apparatus of claim 21. However, the referenced apparatus in Nock initially receives an “activity log” from an application. As such, Nock does not disclose, teach, or even creating an event object for every event to be logged that has not yet been logged within an application.

Accordingly, Applicants respectfully submit that Nock does not render claim 21 unpatentable. As claim 22 is dependent on claim 21, Applicants respectfully submit that claim 22 is patentable over Nock for at least the same reasons that were discussed above for claim 21. In view of the foregoing, Applicants respectfully request reconsideration and withdrawal of the § 103 rejection of claims 21 and 22.

#### **IX. New claims 23-25**

Claim 23 recites a system that comprises a foundational layer upon which applications are built and executed. The system further comprises a first and second application for executing on the foundational layer. The system further comprises a third event-logging application for execution on the foundational layer. This event logging application functions interoperably with

but separately from the first and second applications. The event logging application generates an event log for either one of or for both of the first and second applications, where at least one of the first or second applications does not generate an event log.

Applicants respectfully submit that Nock does not disclose, teach, or even suggest the  
5 system recited in claim 23, as Nock discloses a system that first receives an “activity log” (event log) from an application as described above for claim 10. Accordingly, Applicants respectfully submit that claim 24 is patentable over Nock. Moreover, as claims 24-27<sup>5</sup> are dependent on claim 23, Applicants respectfully submit that claims 24-27<sup>5</sup> are patentable over Nock for at least the same reasons.

## CONCLUSION

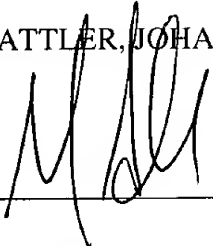
In view of the foregoing, it is submitted that all pending claims, namely claims 1-2<sup>5</sup>, are in condition for allowance. Reconsideration of the rejections is requested. Allowance is earnestly solicited at the earliest possible date.

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Respectfully submitted,

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